

ABSTRACT

5 The present invention provides a method for
enhancing resistance to the onset of skin damage caused
by irradiation of the skin with ultraviolet light by
inhibiting ultraviolet irradiation-induced apoptosis of
epidermal cells as a result of increasing expression of
SCCA-1 and/or SCCA-2 in epidermal cells. Moreover, the
present invention provides a skin testing method for
10 evaluating resistance of the skin to skin damage caused
by ultraviolet irradiation by measuring the expression of
SCCA-1 and/or SCCA-2 in epidermal cells, and judging UV
resistance of the epidermis to be weak in the case
expression is decreased as compared with expression in
15 epidermal cells. Moreover, the present invention
provides a method for screening drugs which enhance
resistance of the skin to skin damage by ultraviolet
irradiation by selecting a drug that increases expression
of SCCA-1 and/or SCCA-2 as a UV resistance enhancer.